



**King County
International Airport
Boeing Field**

Tenant Open House #3

**Join us at an open house
to learn more about the
selected construction
phasing alternative.**

WHEN:

Friday February 17, 2006
9:00 - 10:00 a.m.
Presentation at 9:00 a.m.

WHERE:

Airport Terminal Building
Conference Room 110

SEE YOU THERE!

Runway 13R-31L Rehabilitation Project

Newsletter 3

February 2006

Construction Phasing Alternative Selection Process

During our last tenant meeting on December 1, 2005 we presented the various proposed construction phasing alternatives. Since the meeting we have received comments from many of our tenants. While nine potential construction phasing alternatives were identified by the project engineering team, our customers generally favored one of two construction options.

- 1) Close the main runway and get the project over with as quickly as possible, using the maximum asphalt production available.
- 2) Perform the work on weekends, providing a useable runway for operations during the weekdays.

In all cases, tenants and aircraft operations stated the certainty of operations was critical for their planning purposes. Our customers require that the construction plan,

including closure schedule, be identified and communicated as early as possible, and that every effort be made to adhere to the advertised construction schedule.

No single construction phasing alternative meets the requirements of all users. **Minimizing the impacts to tenants, predictability of runway availability and safety** were the criteria used to evaluate the tenant preferences.

King County International Airport (KCIA) staff carefully evaluated each of the alternatives and obtained input from many of the tenants, the engineering consultants, as well as other airports that have completed similar projects. We learned from other airports that weekend construction presents significant construction risks because (continued on next page)



Construction Phasing Alternative Selection Process

we would not be able to guarantee that the runway would be available for use each and every Monday morning following the scheduled weekend closures. Weekend construction would also impact the construction progress requiring a longer overall construction period. Lastly, a continuous closure provides the highest degree of safety for aircraft operators, contractor personnel, and staff.

Alternative 6 - The Selected Construction Phasing Alternative

Following extensive consultation with users, KCIA has chosen Alternative 6 as the best construction phasing alternative. Using temporarily displaced thresholds allowing 6500 feet of active runway with a full runway closure for

11 days minimizes the construction closure time, provides the greatest degree of certainty for aircraft operators and is favored for safety reasons.

During the selection process, we initially determined asphalt production rate to be the principle limiting factor in the selection of a construction phasing alternative. Two other construction factors were identified that prohibited KCIA from selecting any of the alternatives based on a 750 tons/hour production rate. First, the final design revealed the need to reconstruct several of the taxiway connections to Runway 13R-31L. This will require removing the existing pavement and rebuilding the connecting taxiway. The pavement removal must be performed before the paving in these areas can

begin. Second, the Federal Aviation Administration (FAA) has required that KCIA install runway guard lights at selected taxiway hold lines. The additional installations add complexity to the overall project.

What's next? Contractor Bidding and Construction

Construction plans and specifications are currently being finalized, and the project is anticipated to be advertised to contractors for bidding during March 2006. Evaluation of bids and selection of a successful bidder is expected in April. No specific construction start date has been identified, pending selection of a contractor. Project updates will be made available through the Airport's web site.

Alternative 6 in Detail

Construction Activity	Duration of Activity
Full closure of Runway 13R-31L. Installation of temporary threshold marking and lighting.	4 hours
Establish a temporary threshold at Runway 31L. Close the southern 3500 feet of Runway 13R-31L and intersecting taxiways. Rehabilitate the southern 2500 feet of runway, leaving 6500 feet of active runway available. No NAVAIDS.	5 days
Full closure of Runway 13R-31L. Rehabilitate the middle 5880 feet of Runway 13R-31L.	11 days
Establish a temporary threshold at Runway 13R. Close the northern 2620 feet of Runway 13R-31L and intersecting taxiways. Rehabilitate the northern 1620 feet of Runway, leaving 6500 feet available for runway operations. No NAVAIDS.	5 days
Full closure of Runway 13R-31L. Removal of temporary threshold marking and lighting.	4 hours
Full closure of Runway 13R-31L nightly from 21:00-04:00 for pavement grooving.	45 nights
Full closure of Runway 13R-31L for final painting.	2 weekend days

Project Background

Short term repairs have been made, however these measures do not address the fundamental issue of rehabilitating the runway pavement.

Early last year, the FAA made a funding

commitment to KCIA for this project as well as for the design of Bravo Taxiway pavement rehabilitation scheduled for summer 2007. In addition to this FAA grant, the project will be funded from Airport Reserve.

The current project elements include:

- Resurfacing of main Runway 13R-31L and connecting taxiway intersections.
- Installation of a perimeter drainage

system.

- Replacement of Runway 13R-31L edge lights and cabling.
- Installation of elevated runway guard lights and in-pavement lights at selected taxiway hold lines.
- Pavement grooving.
- Runway painting.

Project Schedule

The table below shows the anticipated project schedule for rehabilitation of Runway 13R-31L. Design and construction for Bravo Taxiway rehabilitation will be addressed next year and is not included in this schedule.

[illegible]

Runway 13R-31L Rehabilitation Project

How We Will Communicate With You:

Newsletters: Newsletters will be mailed periodically throughout the project.

Open Houses: We look forward to seeing you at the Open House on Feb. 17, 2006.

Individual Meetings: To schedule a meeting with project staff, contact either Rita Creighton or Kristin Anderson at the numbers listed below.

Airport Roundtable: We will periodically present progress overviews at the KCIA Roundtable meetings.

Construction Flyers: Once construction gets under way, we will provide frequent construction notices via email and fax.

Website: For weekly project updates, check our website: www.metrokc.gov/airport/

Contact Information: Rita Creighton, 206-296-7431, rita.creighton@metrokc.gov
Kristin Anderson, 206-269-0229 ext.16, kristin@na-company.com

To be removed from our mailing list, call Rita Creighton at 206-296-7431

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